

TECHNICAL TALK ON “IR 4.0 – TRANSFORMATION TO SMART FACTORY IN MANUFACTURING: ARE YOU READY FOR IT?”

Organised by the Engineering Education Technical Division, IEM

in collaboration with Engineers Australia Malaysia Chapter (EAMC), and Institute of Mechanical Engineers Malaysia Branch (IMEchE)

BEM Approved CPD/PDP: 2 .0

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Date : 15 February 2020, Saturday
Time : 11.00 am – 01.00 pm
Venue : Auditorium Tan Sri Prof. Chin Fung Kee
Third Floor Wisma IEM, Petaling Jaya, Selangor
Speaker : Ir. Dr. Shamini Janasekaran

SYNOPSIS

Industrial Revolution (IR) 4.0 has to be adapted by Small & Medium Entrepreneurships and Manufacturers in Malaysia in order to keep up with the current trend of industrial growth. These SMEs industries has huge influential role in Malaysia economy where their contribution has exceed more than 35% in 2018. Many of the players are not up to date on the modern automation technology and this will halt the growth within their company. In developing countries, the adoption towards IR 4.0 is getting wider and this growth had shown significant positive changes in the countries' economic. In Malaysia, manufacturing sector contributed more than 20% to the GDP and adapting IR 4.0 approach will definitely benefit the company and nation. Earlier, Just-In-Time approach was implemented to encourage continuous improvement to seek small incremental changes which leads to improved quality. However, a breakthrough improvement with high level of automation can enhance industrial growth.

SPEAKER'S BIODATA



Ir. Dr. Shamini Janasekaran received her PhD in Engineering (Manufacturing Processes) from University of Malaya (UM) in 2017, Masters in Electro-Manufacturing from UM in 2012 and Bachelor of Electronics Engineering from Universiti Sains Malaysia in 2006. Her specialization is in advanced joining techniques towards economic sustainability. Her new passion is in Industrial Revolution 4.0 which converts lean manufacturing practice towards smart factories.

She was working as Component and Electrical CAD Engineer in Flextronics Technologies Sdn Bhd for 4 years before joining Daikin Electronic Devices Malaysia (known as OYL Technology) in 2010 until 2012. Prior to joining SEGi University as Lecturer in 2017 until present, she was attached to University of Malaya as research assistant. She is also a Chartered Engineer and member of Institution of Mechanical Engineers (IMEchE) since 2018. She has been publishing indexed papers in manufacturing fields and presented them in International conferences.

Ir. Assoc. Prof. Dr. Mohamed Thariq

Chairman

Engineering Education Technical Division (Session 2019 / 2020)

ANNOUNCEMENT TO NOTE

FEES

(Effective 1st October 2017)

Members

Registration Fee : NO CHARGE

Administrative Fee : Online

RM15 Walk In RM20

Non-Members

Registration Fee : RM50

Administrative Fee : RM20

- Limited seats are available on a "first come first served" basis (maximum 100 participants).
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